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TRANSMITTAL FORM

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		Application Number	10/467,174 101647,174
		Filing Date	August 25, 2003
		First Named Inventor	Zheng Zhang
		Group Art Unit	1824
		Examiner Name	N/A
Total Number of Pages in This Submission	6	Attorney Docket Number	571-872

ENCLOSURES (check all that apply)

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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	BERESKIN & PARR Patricia Power, Reg. No. 51,379
Signature	
Date	June 2, 2004

CERTIFICATE OF MAILING

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June 2, 2004

Patricia Power B.Sc., Ph.D. (Chem.)
416 957 1683 ppower@bereskinparr.com

Your Reference: 10/647,174
Our Reference: 571-872

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Re: **U.S. Regular Patent Application No. 10/647,174**
Entitled: **METHODS AND COMPOUNDS FOR CONTROLLING THE MORPHOLOGY
AND SHRINKAGE OF SILICA DERIVED FROM POLYOL-MODIFIED
SILANES**
Inventors: **Zheng Zhang, Yang Chen, John D. Brennan and Michael A. Brook**

In accordance with 37 CFR 1.97 and 1.98, and in recognition of the duty of disclosure set forth in 37 CFR 1.56, Applicants hereby submit an Information Disclosure Statement on Form PTO-1449 containing a listing of patents and other publications of which Applicant is aware. Applicants are also submitting the references listed on the Information Disclosure Statement.

All of the patents and publications submitted herewith are in the English language. Accordingly a concise explanation of the relevance of the documents is not required.

The Examiner is requested to indicate consideration of these documents by initialing the appropriate column.

Applicants reserve the right to contest the applicability of any of these documents as prior art against the subject application. If the Examiner has any questions concerning this Information Disclosure Statement, he/she is requested to contact the undersigned. Entry of the enclosed Information Disclosure Statement is believed to be in order and is respectfully requested.

Please send all correspondence to the Mississauga office:

2000 Argentia Rd., Plaza 4, Ste. 430, Mississauga, Ontario, Canada L5N 1W1 Tel: 905.812.3600 Fax: 905.814.0031	Scotia Plaza, 40 King St. West, 40th Floor, Toronto, Ontario, Canada M5H 3Y2 Tel: 416.364.7311 Fax: 416.361.1398	Waterloo Technology Campus, 408 Albert St., Ste. 2, Waterloo, Ontario, Canada N2L 3V3 Tel: 519.783.3210 Fax: 519.783.3211
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This Information Disclosure Statement is being filed before the issuance of a first official action, and therefore no fees are required. However, please charge our deposit account No. 02-2095 if such a fee is required.

Respectfully submitted,

ZHENG ZHANG et al.

Patricia Power
Patricia Power
Registration No. 51,379
Dated: June 2, 2004

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>		Complete if Known	
Sheet	1	of	2
		Application Number	10/647,174
		Filing Date	August 25, 2003
		First Named Inventor	Zheng Zhang
		Art Unit	1824
		Examiner Name	N/A
		Attorney Docket Number	571-872

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO				Complete if Known	
				Application Number	10/647,174
				Filing Date	August 25, 2003
				First Named Inventor	Zheng Zhang
				Art Unit	1824
				Examiner Name	N/A
Sheet	2	of	2	Attorney Docket Number	571-872

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.		T ²
	1.	CABRERA, K. et al., "SilicaROD™ - A new challenge in fast high-performance liquid chromatography separations", Trends in Analytical Chemistry, 1998, pp. 50-53, Vol. 17, No.1.		/
	2.	TANAKA, N. et al., "Monolithic Silica Columns for HPLC, Micro-HPLC, and CEC", J. High Resol. Chromatogr., 2000, pp. 111-116, Vol. 23, No. 1.		/
	3.	ISHIZUKA, N. et al., "Preparation and Chromatographic Application of Macroporous Silicate in a Capillary", Journal of Sol-Gel Science and Technology, 2000, pp. 371-375, Vol. 19.		/
	4.	MOTOKAWA, M. et al., "Monolithic silica columns with various skeleton sizes and through-pore sizes for capillary liquid chromatography", Journal of Chromatography A, 2002, pp. 53-63, Vol. 961.		/
	5.	ISHIZUKA, N. et al., "Chromatographic characterization of macroporous monolithic silica prepared via sol-gel process", Colloids and Surfaces – A: Physicochemical and Engineering Aspects, 187-188, 2001, pp. 273-279.		/
	6.	KANG, J. et al., "A silica monolithic column prepared by the sol-gel process for enantiomeric separation by capillary electrochromatography", Electrophoresis, 2002, pp. 1116-1120, Vol. 23.		/
	7.	KIKUTA, K. et al., "Synthesis of Transparent Magadiite-Silica Hybrid Monoliths", Chem. Mater., 2002, pp. 3123-3127, Vol. 14.		/
	8.	LEINWEBER, F. C. et al., "Characterization of Silica-Based Monoliths with Bimodal Pore Size Distribution", Anal. Chem., 2002, pp. 2470-2477, Vol. 74.		/
	9.	NAKANISHI, K. et al., "Macropore Morphology Control of Silica Gel by Spinodal Decomposition", Chemical Processing of Advanced Materials, 1992, pp. 29-41		/
	10.	NAKANISHI, K. et al., "Macropore Structure Design of Sol-Gel Derived Silica by Spinodal Decomposition", Porous Materials, 1993, pp. 51-60.		/
	11.	GILL, I. et al., "Encapsulation of Biologicals within Silicate, Siloxane, and Hybrid Sol-Gel Polymers: An Efficient and Generic Approach", J. Am. Chem. Soc., 1998, pp. 8587-8598, Vol. 120.		/
	12.	GILL, I., "Bio-doped Nanocomposite Polymers: Sol-Gel Bioencapsulates", Chem. Mater., 2001, pp. 3404-3421, Vol. 13.		/
	13.	NAKANISHI, K. et al., "Synthesis of silica gel by polymer-mixed sol-gel method", Chem. Abstracts, AN. 118:259529, Shinsozai (1992), pp. 44-49, Vol. 3, No. 11.		/
	14.	TANAKA, N. et al., "Octadecylsilylated porous silica rod for reversed-phase liquid chromatography", Chem. Abstracts, AN. 121:92756, Kuromatogurafi (1993), pp. 50-51, Vol. 14, No. 5.		/

Examiner Signature		Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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